٠.

PTC/SB/08A (10-98)

Approx for use through 10/31/99, OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of 1

C mplete if Known				
Application Number 10/096,456				
Filing Date	March 11, 2002			
First Named Inventor	Gary J. Gracyalny			
Group Art Unit	3747			
Examiner Name	Unknown			
Attorney Docket Number	018367-9626			

	U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	E MUMBBE	ocument Kind Code <sup>3</sup> ( <i>if known</i> )	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columna, Lines, Where Relevant Passages or Relevant Figures Appear			
1K		838,399		C.R. Greuter	12-11-1906	L MALES WANDER			
112		854,035		J.C. Hansen-Ellehammer	05-21-1907				
11		1,047,499		A. Clement	12-17-1912				
_/_		1,175,820		E. Rounds	03-14-1916				
1		1,361,109		G.J. Spohrer	12-07-1920				
1		2,999,491		J.R. Harkness	09-12-1961				
4		3,314,408		A.P. Fenton	04-18-1967				
		3,362,390		Esty	01-09-1968				
4		3,395,689		Kruse	08-06-1968				
u		RE 26,462		J.R. Harkness et al.	09-24-1968				
M		3,897,768		Thiel	08-05-1975				
1/4		4,453,507		Braun et al.	06-12-1984				
M		4,977,868		Holschuh	12-18-1990				
U		4,991,551		Terai et al.	02-12-1991				
4		5,085,184		Yamada et al.	02-04-1992				
1		5,150,674		Gracyalny	09-29-1992				
7/		5,301,643		Gracyalny	04-12-1994				
U		5,653,199		Ishiuchi et al.	08-05-1997				
M		5,687,683		Knoblauch	11-18-1997.				
11		5,809,958		Gracyalny	09-22-1998				

			_				FOR	EIGN PATENT DOCUMENT	rs		
Examiner	Cite			Foreig	n Patent I	Document		Name of Patentee or	Date of Publication of	Pages, Columns, Lines,	Т
initials*	No.1	Office	a	N	umber <sup>4</sup>		Code <sup>5</sup> Zagwa)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	nt Ts
N	J	EP	0	515	183			Gracyalny	05-21-1992		
		<u> </u>	L								Π
		<u> </u>	<u> </u>								
			L								
			<u> </u>								
		Ь	L								
			┞							·	
			┝	·							
			⊢						<u>-</u>		
			_			<u>.                                      </u>					

Examiner Signature	Mullatre	Date Considered /-04-2005

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 6 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-88)
Approve for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1448A/PTO

Complete if Known

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	2	of	29
		1	l /- )

Complete if Known				
Application Number	10/096,456			
Filing Date	March 11, 2002			
First Named Inventor	Gary J. Gracyalny			
Group Art Unit	3747			
Examiner Name	Unknown			
Attomey Docket Number	018367-9626			

	U.S. PATENT DOCUMENTS								
Examiner initials	Cite No.1	U.S. Patent Document  Number Kind Code <sup>2</sup> (# known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Cohimns, Lines, Where Relevant Passages or Retevant Figures Appear			
St_		5,943,992		Kojima et al.	08-31-1999				
$\mathcal{L}$		6,055,952		Gau	05-02-2000				
$\mathcal{U}$		6,223,708		Kampichler et al.	05-01-2001				
		6,343,582		Peng	02-05-2002				
J.C		6,394,054		Rado et al.	05-28-2002				
N.		20010017119		Suzuki et al.	08-30-2001				
M.		20020033158		Novak et al.	03-21-2002				
		<u> </u>				•			
				·					
				:					
					1				
			_	:					
Ĺ <b>.</b>									

	FOREIGN PATENT DOCUMENTS										
Examiner Cite Initiats' No.1	F	oreign Patent Do		Name of Patentee or	Date of Publication of	Peges, Columns, Lines, Where Relevant	T				
	Office <sup>3</sup>	Number <sup>4</sup>	, Kind Code <sup>5</sup> (# known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appaer	T				
		<u> </u>						T			
					•			T			
	-		······································				<del></del>	十			
							· · · · · · · · · · · · · · · · · · ·	o			
								1			
								T			
			_					1			
								1			
								✝			
								+-			

	المنظم المستنف المراجي والمنظم والمستنف والمستنف المستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف	
Examiner		Date ,
		10000
Signature		Considered $1-100-7005$
OiBuarasa	Comment of the commen	Toolisidaled 1 09 2000

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patenta, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

the Paperwork Re	duction Act of Level,	no persons are	required to respond to a collection of	information unless it contains a valid OMB control number	
tute of form 1449/1	РТО		C mplete if Known		
ION DISCLO	SURE STATE	MENT BY	Application Number	10/096,456	
APPLI	CANT		Filing Date	March 11, 2002	
			First Name Inventor	Gary J. Gracyalny	
			Group Art Unit	3747	
e as many shee	ets as necessary)		Examiner Name	Unknown	
X3	of	79	Attorney Docket Number	018367-9626-00	
	tute of form 1449/ION DISCLO APPLI	TON DISCLOSURE STATES APPLICANT see as many sheets as necessary)	TON DISCLOSURE STATEMENT BY APPLICANT se as many sheets as necessary)	APPLICANT  APPLICANT  Filing Date  First Name Inventor  Group Art Unit  Examiner Name	

U.S. PATENT DOCUMENTS							
Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document				
se	3,306,276	Harkness, et al.	2/28/1967				
IL	3,981,289	Harkness	9/21/1976				
W	2002/0033158 A1	Novak, et al.	3/21/2002				
<u> </u>		-					
1							

·	FOREIGN PATENT DOCUMENTS							
Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document				
the	UK	1,243,551	Briggs & Stratton	8/18/1971				

Examiner Signature	Outst.	Date Considered	1-011-2006
	Can Water	Considered	1-04-2005

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer. Patent and Trademark Office, Washington, DC 0231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

N:\CLIENT\018367\9626\F0008996.1

PTO/SB/08A

Patent and Trac: | 1k Office: U.S. DEPARTMENT OF COMMERCE

Ultuci	the raperwork Ru	auction Act of 19	95, no persons are	required to respond to a confection of	information unless it contains a valid OMB control number.
Substi	itute of form 1449/	PTO	Complete if Known		
INFORMAT	TION DISCLO	SURE STAT	EMENT BY	Application Number	10/216,523
	APPLICANT			Filing Date	August 9, 2002
				First Name Inventor	Gary J. Gracyalny
				Group Art Unit	3747
(u	se as many she	ets as necessar	y)	Examiner Name	Unknown
Sheet	4	of	19	Attorney Docket Number	018367-9725

	U.S. PATENT DOCUMENTS					
Examiner Initials		U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document		
		-				

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	
Al	ЛР	60-192207	Kawasaki Heavy Ind. Ltd.	12/20/1985	
R	л	1-103712	Fuji Heavy Ind. Ltd.	7/13/1989	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer. Patent and Trademark Office, Washington, DC 0231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.